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福建蝗虫一新属

(直翅目:蝗科,斑腿蝗亚科)

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在整理馆藏标本中,发现福建蝗虫一新属。现记述如下。

模式标本存放在中国科学院动物研究所。

角锥蝗属 *Pyramisternum* 新属

体形中等。头短。触角丝状,不到达或到达前胸背板的后缘。复眼长卵形,垂直直径为眼下沟长的 3—3.5 倍。颜面略向后倾斜。头顶宽大于长(图 1)。颜面侧隆线明显,直。前胸背板圆柱状,前、后缘宽圆形,无侧隆线。前胸腹板突片状,顶端呈角锥形,无任何凹口(图 2a)。中胸腹板侧叶宽大于长,侧叶间之中隔狭。后胸腹板侧叶在端部毗连。前翅狭长,超过后足股节的顶端,翅脉正常,在顶端一半处的径脉之间无平行横脉。后足股节狭长,上侧上隆线无细齿,下膝侧片顶端呈刺状。后足胫节具明显的外端刺,端部之半的边缘略展开,狭片状。后足跗节短。雄性肛上板三角形。尾须圆锥状,到达或不到达肛上板的顶端。雌性产卵瓣狭长,顶端呈钩状,外缘具细齿。

模式种 草栖角锥蝗 *Pyramisternum herbaceum* 新种。

本新属近似 *Sinacris* Tinkham, 主要区别为前者前胸腹板突片状,顶端呈角锥形,无任何凹口;后足股节下膝侧片顶端呈刺状;前翅顶端圆形,顶端一半处的径脉和中脉之间不具平行的横脉。

草栖角锥蝗 *Pyramisternum herbaceum* 新种

雌性 体中等大小。头短。触角丝状,不到达前胸背板的后缘。复眼长卵形,垂直直径为眼下沟长的 3 倍。颜面略向后倾斜,颜面隆起全长纵沟明显,两侧缘几乎平行。颜面侧隆线明显,直。头顶宽大于长,头顶的宽度约为其长度的 2.5—3 倍。前胸背板圆柱状,中隆线低、细,被 3 条横沟割断;无侧隆线;后横沟位于中部之后,沟前区的长度为沟后区长的 1.3 倍;前、后缘宽圆形。中胸腹板侧叶宽大于长,侧叶间之中隔狭,中隔的长度为其最狭处的 3.3 倍(图 3)。后胸腹板侧叶在端部彼此毗连。前翅狭长,长为宽的 4.7 倍。后翅几乎与前翅等长。后足胫节具明显的外端刺,内,外缘刺 9—11 枚。后足跗节仅为胫节长的 1/3,跗节第 2 节短于第 1 节,第 3 节略短于第1、2节之和。下生殖板长方形,后缘中央呈锐角状突出。

体黄褐色。触角、颜面褐色。复眼后方具褐色纵条纹,此条纹向后延伸至前、中、后胸

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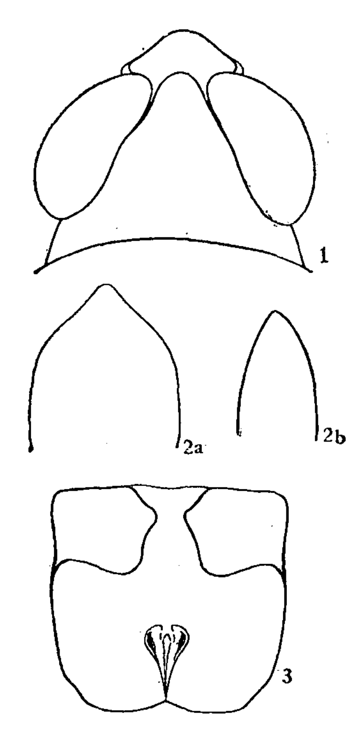


图 1—3 草栖角锥蝗 *Pyramisternum herbaceum* sp. nov. (♀)
1. 头部(背面观)
2. 前胸腹板突
a. 正面观 b. 侧面观
3. 中、后胸腹板(腹面观)

背板的侧片和前翅中脉域之前。前胸背板侧片下缘暗褐色。前、中足黄橄榄绿色。后足股节内外侧黄褐色,顶端 1/3 桔红色(包括下膝侧片)。后足胫节、跗节微蓝色,胫节刺基部黄色,端部黑色。

雄性 近似雌性,但个体较小。腹部末节背板后缘无明显的尾片。肛上板三角形,基部 1/2 具狭纵沟。尾须圆锥状,顶端尖,超过肛上板的后缘。下生殖板短锥状,顶端不尖。

体长 雄 18,雌 25.9—27.5 毫米;前翅:雄 16,雌 20.5—21.0 毫米;后足股节:雄 9.5,雌 14.4—14.5 毫米。

正模♀,福建邵武 150—260 米,1960. VIII. 16,张毅然。配模♂,安徽霍山彿子镇,1964. IX. 29,金根桃。副模 1♀,福建崇安 260 米,1969,IX. 9,马成林。

NEW GENUS OF ACRIDIDAE FROM FUJIAN, CHINA (ORTHOPTERA: ACRIDIDAE, CATANTOPINAE)

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***Pyramisternum* gen. nov.**

Size medium. Head short. Antenna filiform, short, not reaching or extending the posterior margin of pronotum. Eyes long oval, the vertical diameter about 3—3.5 times the subocular suture. Vertex broader than the length. Lateral facial keels straight, distinct throughout. Pronotum cylindrical, anterior and posterior margin widely rounded. Prosternal spine transverse, lamella, apex pyramidal. Mesosternal lobes broader than the length; interspace between mesosternal lobes narrower. Metasternal lobes contiguous posteriorly. Elytra long, extending beyond the apex of hind femora, veins normal without parallel transverse veinlets between the radial and media veins in the apical half. The tip of lower kneelobe of hind femora pointed. Hind tibia with a distinct outer apical spine. Anal plate triangular. Cercus conical. Valves of ovipositor with distinct spine on the margin, apex slightly hooked.

Type species *Pyramisternum herbaceum* sp. nov.

This new genus is close to *Sinacris* Tinkham, but differs by: the prosternal spine transverse, lamella, apex pyramidal; the tip of lower kneelobe of hind femora pointed; the apex of elytra rounded, veins normal, without parallel transverse veinlets between the radial and media veins in the apical half.

***Pyramisternum herbaceum* sp. nov.**

Female: Antenna not reaching the posterior margin of pronotum. The width of vertex between eyes 2.5—3 times the length. Median keel of pronotum low, lateral keels absent, the length of prozona about 1.3 times the length of metazona, the length of interspace between the mesosternal lobes 3.3 times its minium width. The outer and inner margin of hind tibia with 9—11 spines. Cercus conical. Subgenital plate longer than broad with an acute triangular process.

Body yellow, with dark brown stripes behind the eyes, and also along the lateral of pronotum, mesonotum and metanotum, as well as before the median area of elytra. The lower margin of lateral lobes of pronotum dark brown. Fore and middle legs yellowish olivaceous green. Inner and outer side of hind femora yellow brown, at 1/3 of the apex orange red (include lower kneelobes). The tibia and tarsus of hind legs light blue, the base of spine of tibia yellow and apex black.

Holotype ♀, Shaowu (150—260 m.) Fujian, 16. VIII. 1960, collected by Zhang Yi-ran. Allotype ♂, Houshan, Anhui, 29. IX. 1964, collected by Jin Gen-tao. Paratype ♀, Chongan (260m.), Fujian, 9. IX. 1959, collected by Ma Cheng-lin.